

**Flood Control Project Maintenance
Levee Inspections**

Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

RD2075	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 2075 McMullin	U	7.45						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	1.71	1.36	7.15	96.00%				
Trim / Thin Trees	0.02		0.02	0.27%				
<i>Supplemental</i>								
DWR Erosion Survey	0.01		0.01	0.13%				
DWR UCIP Field Study					0.07			
<i>LMA Totals:</i>	1.74	1.36	7.18	96.40%	0.07	0.00	0.00	0.00

Unit No. 01 San Joaquin River RB	Overall Unit Rating	Total Unit Miles						
RD2075	U	7.45						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	1.71	1.36	7.15	96.00%				
Trim / Thin Trees	0.02		0.02	0.27%				
<i>Supplemental</i>								
DWR Erosion Survey	0.01		0.01	0.13%				
DWR UCIP Field Study					0.07			
<i>Unit Totals:</i>	1.74	1.36	7.18	96.40%	0.07	0.00	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2016 Levee Inspection Results

Reclamation District No. 2075 McMullin

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

Reclamation District No. 2075 McMullin

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Right	7.45
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/23/2016 - 3/23/2016		9/19/2016 - 9/19/2016	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By	Eddie Cordoza RD 2075			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/19/2016 09/19/2016	Herman Phillips

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Operations & Maintenance Manuals			°	
				°	
DWR ID	DWR_RD2075_01_f_2014_9				
Comment Code					
Inspector Comment					
RD 2075 has the O&M Manual on file.					

No Photos

LM Start		Rating **	A	Issue No.	10
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Emergency Supplies & Equipment			°	
				°	
DWR ID	DWR_RD2075_01_f_2014_10				
Comment Code					
Inspector Comment					
RD 2075 has emergency supplies stored in their building.					

No Photos

LM Start		Rating **	A	Issue No.	11
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			°	
				°	
DWR ID	DWR_RD2075_01_f_2014_11				
Comment Code					
Inspector Comment					
RD 2075 has regular training for their work crews, they don't have district crew only trustees, landowners and farmers.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/19/2016 09/19/2016	Herman Phillips

LM Start	0.10	Rating **	U	Issue No.	12
LM End	0.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.748393 °	37.742588 °
				-121.289778 °	-121.288597 °
DWR ID	DWR_RD2075_01_f_2016_12				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Weeds taller than three feet on the landside slope and shoulder need to be removed.					

Photo 1 of 1 : FA_2016_RD2075_315_12_20160920_00025.jpg



Looking downstream from levee mile 0.10 landside slope.

LM Start	0.12	Rating **	M	Issue No.	26
LM End	0.12	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.748200 °	37.748200 °
				-121.289717 °	-121.289717 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24663 DS_ID:24735 EP_NO: 4736 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - pipe not visible on waterside.- no access to concrete riser on waterside.- blocked siphon breaker. FIELD_STRUCT_DESC: 14-inch steel pipe through the levee, 4.0 feet below the crown. Pump mounted on pile structure in drainage ditch on the landside. Siphon breaker in concrete riser unit on the waterward slope. Concrete distribution box at the toe of waterward slope. (App. No. 4736 - E. E. Brown). O&M Manual SJR 003, Dec. 1968. FS Date: 11/13/2013					

Photo 1 of 2 : UCIP_FA_2016_24663_44022.jpg



WS view: concrete standpipe (top) and concrete pipe riser (bottom) on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/19/2016 09/19/2016	Herman Phillips

LM Start	0.12	Rating **	M	Issue No.	26 (cont)
LM End	0.12	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.748200 °	37.748200 °
				-121.289717 °	-121.289717 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24663 DS_ID:24735 EP_NO: 4736 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - pipe not visible on waterside.- no access to concrete riser on waterside.- blocked siphon breaker. FIELD_STRUCT_DESC: 14-inch steel pipe through the levee, 4.0 feet below the crown. Pump mounted on pile structure in drainage ditch on the landside. Siphon breaker in concrete riser unit on the waterward slope. Concrete distribution box at the toe of waterward slope. (App. No. 4736 - E. E. Brown). O&M Manual SJR 003, Dec. 1968. FS Date: 11/13/2013					

Photo 2 of 2 : UCIP_FA_2016_24663_44021.jpg



WS view: concrete pipe riser with siphon breaker on levee slope.

LM Start	0.60	Rating **	M	Issue No.	14
LM End	0.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.742498 °	37.741818 °
				-121.287200 °	-121.283605 °
DWR ID	DWR_RD2075_01_f_2016_14				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 2075 McMullin

No Photos

Looking downstream from the landside levee slope.

RD 2075 Waterside levee slope looking downstream from levee mile 1.01.

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Reclamation District No. 2075 McMullin

No Photos

Looking downstream from levee mile 1.13- 1.36.

No Photos

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**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/19/2016 09/19/2016	Herman Phillips

LM Start	1.94	Rating **	M	Issue No.	20
LM End	2.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.735768 °	37.734342 °
				-121.292032 °	-121.294205 °
DWR ID	DWR_RD2075_01_f_2016_20				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the sprayed weeds from the land side slope.					

No Photos

LM Start	2.32	Rating **	M	Issue No.	27
LM End	2.32	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.731314 °	37.731314 °
				-121.293713 °	-121.293713 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24666					
DS_ID:24737					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - service pole on landside.- looks abandoned.					
Walkway in dilapidated condition.					
FIELD_STRUCT_DESC: 16-inch pipe through the levee, 4.5 feet below the crown. Pump mounted on pile structure in drain ditch on the landward side. Siphon breaker in CM riser unit on the waterward slope.					
O&M Manual SJR 003, Dec. 1968.					
FS Date: 11/13/2013					

Photo 1 of 2 : UCIP_FA_2016_24666_45600.jpg



WS view: concrete standpipe (top) and steel pipe riser (bottom marked) on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/19/2016 09/19/2016	Herman Phillips

LM Start	2.32	Rating **	M	Issue No.	27 (cont)	
LM End	2.32	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.731314 °	37.731314 °	
				-121.293713 °	-121.293713 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:24666						
DS_ID:24737						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: - service pole on landside.- looks abandoned.						
Walkway in dilapidated condition.						
FIELD_STRUCT_DESC: 16-inch pipe through the levee, 4.5 feet below the crown. Pump mounted on pile structure in drain ditch on the landward side. Siphon breaker in CM riser unit on the waterward slope.						
O&M Manual SJR 003, Dec. 1968.						
FS Date: 11/13/2013						

Photo 2 of 2 : UCIP_FA_2016_24666_44030.jpg



WS view: blocked siphon breaker in steel pipe riser on levee slope.

LM Start	3.86	Rating **	M	Issue No.	28
LM End	3.86	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.713744 °	37.713744 °
				-121.280712 °	-121.280712 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41721					
DS_ID:24746					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Several concrete structure with Alfalfa valve. Only steel pipe visible on river bank. Service pole on waterside.New field discovered crossing.					
FIELD_STRUCT_DESC: 10-inch irrigation pvc pipe through the levee. Slant pump in river bank. Distribution box on levee berm on waterside. U type concrete headwall and open outlet on levee toe on landside.					
FS Date: 11/13/2013					

Photo 1 of 2 : UCIP_FA_2016_41721_45982.jpg



WS view: slant pump and concrete distribution box on levee berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/19/2016 09/19/2016	Herman Phillips

LM Start	3.86	Rating **	M	Issue No.	28 (cont)	
LM End	3.86	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.713744 °	37.713744 °	
				-121.280712 °	-121.280712 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41721						
DS_ID:24746						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Several concrete structure with Alfalfa valve. Only steel pipe visible on river bank. Service pole on waterside.New field discovered crossing.						
FIELD_STRUCT_DESC: 10-inch irrigation pvc pipe through the levee. Slant pump in river bank. Distribution box on levee berm on waterside. U type concrete headwall and open outlet on levee toe on landside.						
FS Date: 11/13/2013						

Photo 2 of 2 : UCIP_FA_2016_41721_45981.jpg



WS view: slant pump on timber pile in the stream.

LM Start	5.20	Rating **	M	Issue No.	30
LM End	5.20	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.728853 °	37.728853 °
				-121.275220 °	-121.275220 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50209					
DS_ID:24739					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - flap gates in concrete box on LS toe have failed and are open. Rusted through flapgate may indicate condition of interior of pipe.					
FIELD_STRUCT_DESC: 1 of 2: Two 16-inch steel irrigation pipes through the levee, 8 feet below the crown. Pump mounted on a pile structure in the river. Walkway to the pumps. Siphon breakers and concrete distribution box on the landside (LS) slope. Electric conduit through the levee. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 003, Dec 1968 (HLM 5.16)].					
FS Date: 6/21/2016					

Photo 1 of 2 : UCIP_FA_2016_50209_45603.jpg



WS view: two pipes, walkway to pump and pile structure in the stream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/19/2016 09/19/2016	Herman Phillips

LM Start	5.20	Rating **	M	Issue No.	30 (cont)	
LM End	5.20	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.728853 °	37.728853 °	
				-121.275220 °	-121.275220 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50209						
DS_ID:24739						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: - flap gates in concrete box on LS toe have failed and are open. Rusted through flapgate may indicate condition of interior of pipe.						
FIELD_STRUCT_DESC: 1 of 2: Two 16-inch steel irrigation pipes through the levee, 8 feet below the crown. Pump mounted on a pile structure in the river. Walkway to the pumps. Siphon breakers and concrete distribution box on the landside (LS) slope. Electric conduit through the levee. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 003, Dec 1968 (HLM 5.16)].						
FS Date: 6/21/2016						

Photo 2 of 2 : UCIP_FA_2016_50209_45602.jpg



LS view: siphon breakers in concrete pipe risers (bottom) on levee slope. Concrete distribution box on levee toe (top).

LM Start	5.20	Rating **	M	Issue No.	25
LM End	5.20	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.728848 °	37.728848 °
				-121.275195 °	-121.275195 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:25184					
DS_ID:24743					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Flap gate lid displaced.					
FIELD_STRUCT_DESC: 2 of 2: Two 16-inch pipes through the levee, 8.0 feet below the crown. Pump mounted on pile structure in the river. Walkway to the pumps. Siphon breakers and concrete distribution box on the landward slope. Electric conduit through the levee. O&M Manual SJR 003, Dec. 1968.					
FS Date: 11/13/2013					

Photo 1 of 2 : UCIP_FA_2016_25184_45608.jpg



WS view: two pipes, walkway to pump and pile structure in the stream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/19/2016 09/19/2016	Herman Phillips

LM Start	5.20	Rating **	M	Issue No.	25 (cont)
LM End	5.20	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.728848 °	37.728848 °
				-121.275195 °	-121.275195 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:25184					
DS_ID:24743					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Flap gate lid displaced.					
FIELD_STRUCT_DESC: 2 of 2: Two 16-inch pipes through the levee,					
8.0 feet below the crown. Pump mounted on pile structure in the river.					
Walkway to the pumps. Siphon breakers and concrete distribution box					
on the landward slope. Electric conduit through the levee. O&M Manual					
SJR 003, Dec. 1968.					
FS Date: 11/13/2013					

Photo 2 of 2 : UCIP_FA_2016_25184_45607.jpg



WS view: closer view of two pumps and platform in the stream.

LM Start	5.20	Rating **	M	Issue No.	22
LM End	5.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.728863 °	37.724760 °
				-121.275175 °	-121.270945 °
DWR ID	DWR_RD2075_01_f_2016_22				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/19/2016 09/19/2016	Herman Phillips

LM Start	5.20	Rating **	M	Issue No.	21
LM End	5.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.728863 °	37.722035 °
				-121.275175 °	-121.268760 °
DWR ID	DWR_RD2075_01_f_2016_21				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	5.28	Rating **	M	Issue No.	1
LM End	5.29	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.727933 °	37.727933 °
				-121.274491 °	-121.274491 °
DWR ID					
Comment Code					
Inspector Comment					
07/12/2016: No significant change observed.					
08/28/2015: No significant change observed. Loose material is visible at the upper levee slope. The loose soil may have been caused by runoff.					
08/18/2014: No significant change observed.					
09/10/2013: No significant change observed.					
09/13/2012: No significant change observed.					
08/18/2011: No significant change observed. Some new material added to the water side levee slope, but the added material is loose and seems not helping the levee protection.					
10/05/2010: No significant change observed. Levee slope has minimal vegetation and lacks rip rap protection. Sandy material found on the lower and middle slope is an undesirable material to have on a levee.					
08/05/2010: Recommended for annual assessment and monitoring during flood events, per CLRO.					
08/20/2009: No major change since last visit; site is located in an oxbow; slope surface consists of very sandy material; there is a tree on site leaning and with exposed tree roots; site is recommended as a local maintenance issue, per CLRO CES Evaluation 2008 Report; Eddy Cordoza from the district is aware of the site and is looking for recommendation; site is previously rated "U".					
08/17/2007: Site is close to an irrigation pump inlet. [2016 Site ID:RD2075U01RM64.34]					

Photo 1 of 3 : SJR2016_RD2075U01RM64.34_1.jpg



Upstream view of the erosion site.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/19/2016 09/19/2016	Herman Phillips

LM Start	5.28	Rating **	M	Issue No.	1 (cont)	
LM End	5.29	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.727933 °	37.727933 °	
				-121.274491 °	-121.274491 °	
DWR ID						
Comment Code						
Inspector Comment						
07/12/2016: No significant change observed.						
08/28/2015: No significant change observed. Loose material is visible at the upper levee slope. The loose soil may have been caused by runoff.						
08/18/2014: No significant change observed.						
09/10/2013: No significant change observed.						
09/13/2012: No significant change observed.						
08/18/2011: No significant change observed. Some new material added to the water side levee slope, but the added material is loose and seems not helping the levee protection.						
10/05/2010: No significant change observed. Levee slope has minimal vegetation and lacks rip rap protection. Sandy material found on the lower and middle slope is an undesirable material to have on a levee.						
08/05/2010: Recommended for annual assessment and monitoring during flood events, per CLRO.						
08/20/2009: No major change since last visit; site is located in an oxbow; slope surface consists of very sandy material; there is a tree on site leaning and with exposed tree roots; site is recommended as a local maintenance issue, per CLRO CES Evaluation 2008 Report; Eddy Cordoza from the district is aware of the site and is looking for recommendation; site is previously rated "U".						
08/17/2007: Site is close to an irrigation pump inlet. [2016 Site ID:RD2075U01RM64.34]						

LM Start	5.28	Rating **	M	Issue No.	1 (cont)
LM End	5.29	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SJR2016_RD2075U01RM64.34_3.jpg



Looking upstream at the site.

Photo 3 of 3 : SJR2016_RD2075U01RM64.34_4.jpg



Direct view of the levee slope. Note the loose soil possibly caused by runoff.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/19/2016 09/19/2016	Herman Phillips

LM Start	5.56	Rating **	M	Issue No.	31
LM End	5.56	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.724877 °	37.724877 °
				-121.271025 °	-121.271025 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50191
DS_ID:24740
EP_NO: 3492
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 06/21/2016 Rock revetment placed along WS slope beneath and around pipe; this corrected the levee erosion but still unclear whether the cause of the erosion was addressed. I found no evidence of siphon breaker leakage cited previously. Eddy Cardoza of RD2075 mentioned he saw no leak in and around pipe when the levee slope was repaired. Crossing was been downgraded from Urgent to Non-Urgent. (K. Fazel - UCIP)11/13/2013 Huge erosion on waterside levee slope due to siphon breaker leakage. It is not 16-inch but 12-inch steel pipe. Pump not mounted on pile structure but mounted on concrete sump. Siphon breaker not in concrete riser but on steel pipe. Pipe is not 8 ft. below the crown but 4 ft below the crown. Looks original pipe was replaced with new crossing. Needs more information from LMA or DWR Inspector. (P. Amatya - DWR)
FIELD_STRUCT_DESC: 12-inch (not 14-inch as referenced in Permit No. 3492-A) asphalt coated steel pipe through the levee, 4 feet below the crown. Pump mounted on a concrete sump in a drain ditch approximately 200 feet off the landside (LS) toe. Siphon breaker on the apex of the pipe through the waterside (WS) slope. (Permit No. 3492, 1962 - RD2075) (Additional Related Permit(s): 3492-A, 1969 - RD2075). [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 003, Dec 1968 (HLM 5.52)]. Note O&M Manual references a 16-inch pipe with a depth of 8 feet at this location, which was replaced under Permit No. 3492 with a 6-inch pipe, which was replaced with a 14-inch pipe under Permit No. 3492-A.
FS Date: 6/21/2016

Photo 1 of 2 : UCIP_FA_2016_50191_44262.jpg



WS view: siphon breaker on steel pipe on levee slope. Huge soil erosion due to siphon breaker leakage.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/19/2016 09/19/2016	Herman Phillips

LM Start	5.56	Rating **	M	Issue No.	31 (cont)	
LM End	5.56	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.724877 °	37.724877 °	
				-121.271025 °	-121.271025 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50191 DS_ID:24740 EP_NO: 3492 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 06/21/2016 Rock revetment placed along WS slope beneath and around pipe; this corrected the levee erosion but still unclear whether the cause of the erosion was addressed. I found no evidence of siphon breaker leakage cited previously. Eddy Cardoza of RD2075 mentioned he saw no leak in and around pipe when the levee slope was repaired. Crossing was been downgraded from Urgent to Non-Urgent. (K. Fazel - UCIP)11/13/2013 Huge erosion on waterside levee slope due to siphon breaker leakage.It is not 16-inch but 12-inch steel pipe.Pump not mounted on pile structure but mounted on concrete sump.Siphon breaker not in concrete riser but on steel pipe.Pipe is not 8 ft. below the crown but 4 ft below the crown.Looks original pipe was replaced with new crossing. Needs more information from LMA or DWR Inspector. (P. Amatya - DWR) FIELD_STRUCT_DESC: 12-inch (not 14-inch as referenced in Permit No. 3492-A) asphalt coated steel pipe through the levee, 4 feet below the crown. Pump mounted on a concrete sump in a drain ditch approximately 200 feet off the landside (LS) toe. Siphon breaker on the apex of the pipe through the waterside (WS) slope. (Permit No. 3492, 1962 - RD2075) (Additional Related Permit(s): 3492-A, 1969 - RD2075). [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 003, Dec 1968 (HLM 5.52)]. Note O&M Manual references a 16-inch pipe with a depth of 8 feet at this location, which was replaced under Permit No. 3492 with a 6-inch pipe, which was replaced with a 14-inch pipe under Permit No. 3492-A. FS Date: 6/21/2016						

Photo 2 of 2 : UCIP_FA_2016_50191_44261.jpg



LS view: pipe, pump and concrete sump in the drain ditch.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/19/2016 09/19/2016	Herman Phillips

LM Start	6.84	Rating **	M	Issue No.	29
LM End	6.84	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.714162 °	37.714162 °
				-121.259227 °	-121.259227 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50213
DS_ID:24742
EP_NO: 4051
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 06/21/2016: Erosion repaired with rock revetment and crown regraded. Pipe is crushed and deformed on LS. PVC pipe has been removed. Crossing has been downgraded from Urgent to Non-Urgent. 11/13/2013:- exposed deformed pipe on landside slope. Soil erosion also occurred around the deformed pipe. Walkway at pump on LS toe in poor structural condition.- a temporary 12-inch PVC pipe also found on both sides of the levee.
FIELD_STRUCT_DESC: 12-inch drainage pipe through the levee, 5.5 feet below the crown. Pump mounted over concrete sump at the landside (LS) toe. Siphon breaker in corrugated metal riser unit on the waterside (WS) shoulder. 12-inch polyvinyl chloride (PVC) pipe 1 foot below the crown, installed through the levee for emergency use during 1986 floods (not found in 2016). (Permit No. 4051, 1962 - RD2075). [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin River O&M Manual 003, December 1968 (HLM 6.79)].
FS Date: 6/21/2016

LM Start	6.84	Rating **	M	Issue No.	29 (cont)
LM End	6.84	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_FA_2016_50213_45613.jpg



WS view: CMP riser (bottom) on levee shoulder. Steel pipe (top) and temporary pvc pipe on levee slope.

Photo 2 of 2 : UCIP_FA_2016_50213_45612.jpg



WS view: siphon breaker in CMP riser on levee shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/19/2016 09/19/2016	Herman Phillips

LM Start	7.08	Rating **	A	Issue No.	23
LM End	7.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.713438 °	37.710260 °	
			-121.263490 °	-121.268377 °	
DWR ID	DWR_RD2075_01_f_2016_23				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	7.10	Rating **	A	Issue No.	24
LM End	7.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.713390 °	37.710260 °	
			-121.263798 °	-121.268377 °	
DWR ID	DWR_RD2075_01_f_2016_24				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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